

MATERIAL SAFETY DATA SHEETSECTION I

Manufacturer's Name: STAR BRONZE COMPANY, INC.  
P.O. Box 2206  
Alliance, Ohio 44601-0206

Emergency Telephone Number:  
330-823-1550

Identity: 70000 Zip-Strip 2 Methylene Chloride Free  
Paint & Finish Remover

Telephone Number for Information:  
330-823-1550

Date Prepared: 01/09/01  
(Revised)

SECTION II - Hazardous Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent by Weight</u>	<u>OSHA PEL (PPM)</u>	<u>ACGIH TLV (PPM)</u>	<u>Supplier Recommendation</u>
Aromatic Petroleum Distillates	64742-95-6	18	NE	----	
Aromatic Petroleum Distillates	64742-94-5	12	NE	----	
N-Methyl Pyrrolidone	872-50-4	60-65	NE		
1,2,4 - Trimethyl Benzene	95-63-6	4	NE		
1,3,5 - Trimethyl Benzene	108-67-8	1.5	NE		
Xylene	1330-20-7	1.2	100	100	
Naphthalene	91-20-3	1.1	10	15	
Ethyl 3-Ethoxypropionate	763-69-9	<5	NE	NE	50ppm

Section 313: Supplier Notification. This product contains the following toxic chemicals, subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986, and of 40 CFR 372. Xylene, 1,2,4-Trimethylbenzene, Naphthalene, and n-methyl pyrrolidone.

SECTION III - Physical/ Chemical Characteristics

Boiling Range: 305°-421°F

Vapor Density: (air=1)>1.0

Evaporation Rate: Slower than ether

Weight per Gallon: 8.17

Percent Volatile: 99.5% by weight

Solubility in Water: 62%

Appearance and Odor: Clear blue-green liquid  
Aromatic Odor

Specific Gravity: 0.98

VOC: 938 grams/liter

Vapor Pressure: 1.1 mm Hg @ 77°F

VOS: 7.81 lbs./gal.

Solvent Density: 0.98

SECTION IV - Fire and Explosion Hazard Data

HMIS CODES Health 2 Flammability 2 Reactivity 0

NFPA CODES Health 2 Flammability 2 Reactivity 0

Flash Point: 110°F Flammable Limits: unknown LEL: unknown UEL: unknown

Extinguishing Media: Regular foam, water, carbon dioxide, or dry chemical.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

---

**SECTION V - Reactivity Data**

---

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Stability: Stable

Conditions to Avoid: High heat, open flames, hot surfaces.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition of By-products: May form toxic materials of combustion including carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur

---

**SECTION VI - Health Hazard Data**

---

<u>Routes of Entry:</u>	Inhalation - Yes	Skin - Yes	Ingestion - Yes
-------------------------	------------------	------------	-----------------

Health Hazard Acute and Chronic:

Inhalation: Excessive inhalation of vapors could cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea and headache and possible unconsciousness or in extreme cases, death. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or prove fatal.

Skin: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Additional symptoms of skin contact may include: skin blistering, passage of this material into the body through the skin is possible, and may add to toxic effects from breathing or swallowing.

Eyes: Can cause severe eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure eye tissue.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Overexposure: Excessive exposure may cause permanent brain & nervous system damage. Overexposure to components in this material has been suggested as a cause of the following effects in humans: liver abnormalities, cataract eye damage.

Medical Conditions Aggravated by Exposure: preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material, liver, kidney, immune system, skin, lung (for example, asthma like conditions) blood forming system, individuals with preexisting heart disorders may be more susceptible to arrhythmias (irregular heartbeat) if exposed to high concentration of this material.

Carcinogenicity: This material is not presently listed as a carcinogen. IARC - not listed; NTP - not listed; OSHA - not listed. California Proposition 65 - Warning: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Emergency First Aid Procedures:

Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Eyes: Immediately flush thoroughly with large amounts of water, occasionally lifting upper and lower lids. Get medical attention.

Ingestion: Do not induce vomiting. Keep person warm, quiet and get medical attention immediately.

---

**SECTION VII - Precautions for Safe Handling and Use**


---

Steps to be taken in case material is released or spilled

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to vent hood or closed container.

Large Spill: Eliminate ignition sources (flares, flames, pilot lights, electrical sparks). Contain liquid, stop spill at source. Ventilate area, avoid breathing vapors. Clean up with absorbent material and place in closed container for disposal.

Waste Disposal Method:

Small Spill: Allow volatile portion to evaporate away from inhabited areas or in ventilated hood. Dispose of remaining material in accordance with applicable regulations.

Large Spill: Dispose of by sending to licensed reclaimer, or permitted incinerator in accordance with local, state and federal regulations.

Precautions to be taken in handling and storing: Store in cool, dry area. Avoid flames and high temperatures. Store upright to prevent leaks. Keep container tightly closed.

Other precautions: None

---

**SECTION VIII - Control Measures**

Respiratory Protection: If work place exposure limits of product (or any component) are exceeded a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical (general and/ or local exhaust) ventilation to maintain exposure below PEL & TLV.

Protective Gloves: Wear resistant gloves (consult your Safety Equipment Supplier). To prevent repeated & prolonged skin contact, wear impermeous clothing.

Eye Protection: Chemical splash goggles in compliance with OSHA Regulations are advised. However, OSHA regulations also permit other types of safety glasses (consult your safety equipment supplier).

Other Protective Clothing or Equipment: Where prolonged or frequently repeated contact could occur use protective clothing impervious to this material. Selection of specific items, such as gloves, boots or aprons will depend upon operation.

Work/ Hygienic Practices: Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove any contaminated clothing promptly and clean before reuse.

---

**SECTION IX - Transportation Data**


---

DOT Proper Shipping Name:	Paint Related Material
DOT Class:	N/A
DOT ID Number:	N/A
DOT Packaging Group	N/A

---

**SECTION X - Regulatory Information**


---

Reportable Quantity	RQ Lbs.	RQ Product Quantity lbs.
Naphthalene	100	9,091 lbs.
Xylene	100	8,091 lbs.

---

**Toxic Substances Control Act**

All ingredients are listed or comply with toxic substance control act

**SARA 311/312 Hazard Class**

Health - Immediate Health, Delayed health, Fire

The information and recommendations contained herein have been compiled from sources believed to be accurate and reliable. The information herein is given in good faith, but no warranty, expressed or implied, is made.